

AlgoExpert

Quad Layout

Java

14px

Emacs

Monokai

Our Solution(s)

Run Code

Solution 1 Solution 2

```
3 ▾ class Program {
4     // O(n) time | O(1) space
5     ▾ public static int maxSubsetSumNoAdjacent(int[] array) {
6     ▾     if (array.length == 0) {
7         return 0;
8     ▾     } else if (array.length == 1) {
9         return array[0];
10    }
11    int second = array[0];
12    int first = Math.max(array[0], array[1]);
13 ▾    for (int i = 2; i < array.length; i++) {
14        int current = Math.max(first, second + array[i]);
15        second = first;
16        first = current;
17    }
18    return first;
19 }
```

Tests

Your Solutions

Run Code

Solution 1 Solution 2 Solution 3

```
1 ▾ import java.util.*;
2
3 ▾ class Program {
4     ▾ public static int maxSubsetSumNoAdjacent(int[] array) {
5         List<Integer>maxSum=null;
6     ▾     if(array.length==0){
7         return 0;
8         }
9     ▾     else if (array.length==1){
10        return array[0];
11        }
12     ▾     else if (array.length==2){
13        return Math.max(array[0],array[1]);
14        }
15     ▾     else{
16
```

Custom Output

Submit Code

✓ Test Case 7 passed!

✓ Test Case 8 passed!

✓ Test Case 9 passed!